

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (CURRENTLY AMENDED): A method of controlling an image sensing apparatus, which has an image sensor, a flash light used to illuminate an object with light, and an image sensing instruction unit, comprising:

sensing a first image while causing the flash light to emit light in response to an image sensing designation by the image sensing instruction unit; and

calculating a color temperature for processing the first image using at least color temperature information of the first image,

wherein the color temperature is calculated based on the light amount information detected from the first image.

2 (ORIGINAL): The method according to claim 1, further comprising determining whether or not to sense an image using the flash light.

3 (ORIGINAL): The method according to claim 2, further comprising storing a second image obtained immediately before the emission of the flash light in a storage device, wherein in said calculating of the color temperature, a color temperature of the first image is calculated using the first and second images.

4 (ORIGINAL): The method according to claim 3, wherein the second image is an image obtained before the emission of the flash light in response to the image sensing designation by

the image sensing instruction unit.

5 (ORIGINAL): The method according to claim 3, wherein the second image is an image obtained before the emission of the flash light when it is determined to sense an image using the flash light.

6 (ORIGINAL): The method according to claim 3, wherein said calculating of the color temperature includes detecting a color temperature of an external light using the second image.

7 (ORIGINAL): The method according to claim 3, wherein said calculating of the color temperature includes detecting a ratio of brightness between the flash light and external light using the second image.

8 (ORIGINAL): The method according to claim 1, further comprising applying white balance correction corresponding to the calculated color temperature to the first image.

9 (ORIGINAL): The method according to claim 1, wherein said calculating of the color temperature includes calculating a color temperature of the flash light using the first image.

10 (ORIGINAL): The method according to claim 1, wherein said calculating of the color temperature includes calculating a ratio of brightness between the flash light and an external light using the first image.

11 (ORIGINAL): The method according to claim 9, wherein said calculation of the color temperature further comprises: detecting a color temperature of external light using the second image; detecting a ratio of brightness between the flash light and external light using the first and

second images; and mixing the color temperatures of the external light and the flash light on the basis of the ratio of brightness between the flash light and the external light.

12 (ORIGINAL): The method according to claim 11, wherein said mixing of the color temperatures includes mixing, when an exposure condition upon sensing the first image is different from that upon sensing the second image, the color temperatures by correcting a difference due to the exposure conditions.

13 (ORIGINAL): The method according to claim 11, wherein said mixing of the color temperatures includes mixing, when a sensitivity level of the image sensor upon sensing the first image is different from that of the image sensor upon sensing the second image, the color temperatures by correcting a sensitivity difference.

14 (ORIGINAL): The method according to claim 11, wherein said mixing of the color temperatures includes mixing, when a spectral sensitivity level upon sensing the first image is different from that of the image sensor upon sensing the second image, the color temperatures by correcting a spectral sensitivity difference.

15 (CURRENTLY AMENDED): A controller for an image sensing apparatus, which has an image sensor, a flash light used to illuminate an object with light, and an image sensing instruction unit, comprising:

a first image sensing controller which controls to sense a first image while causing the flash light to emit light in response to an image sensing designation by the image sensing instruction unit; and

a color temperature calculation unit which calculates a color temperature for processing the first image using at least color temperature information of the first image,

wherein the color temperature is calculated based on the light amount information detected from the first image.

16 (ORIGINAL): The controller according to claim 15, further comprising a determination unit which determines whether or not to sense an image using the flash light.

17 (ORIGINAL): The controller according to claim 16, further comprising a second image sensing controller which controls to store a second image obtained immediately before the emission of the flash light in a storage device, wherein said color temperature calculation unit calculates a color temperature of the first image is calculated using the first and second images.

18 (ORIGINAL): The controller according to claim 17, wherein the second image is an image obtained before the emission of the flash light in response to the image sensing designation by the image sensing instruction unit.

19 (ORIGINAL): The controller according to claim 17, wherein the second image is an image obtained before the emission of the flash light when determination unit determined to sense an image using the flash light.

20 (ORIGINAL): The controller according to claim 17, wherein said color temperature calculation unit includes a unit which detects a color temperature of external light using the second image.

21 (ORIGINAL): The controller according to claim 17, wherein said color temperature calculation unit includes a unit which detects a ratio of brightness between the flash light and external light using the second image.

22 (ORIGINAL): The controller according to claim 15, further comprising a white balance correction unit which applies white balance correction corresponding to the calculated color temperature to the first image.

23 (ORIGINAL): The controller according to claim 15, wherein said color temperature calculation unit includes a unit which calculates a color temperature of the flash light using the first image.

24 (ORIGINAL): The controller according to claim 15, wherein said color temperature calculation unit includes a unit which calculates a ratio of brightness between the flash light and external light using the first image.

25 (ORIGINAL): The controller according to claim 23, wherein said color temperature calculation unit comprises:

a unit which detects a color temperature of external light using the second image;

a unit which detects a ratio of brightness between the flash light and external light using the first and second images; and

a unit which mixes the color temperatures of the external light and the flash light on the basis of the ratio of brightness between the flash light and external light.

26 (ORIGINAL): The controller according to claim 25, wherein when an exposure condition

upon sensing the first image is different from that upon sensing the second image, said mixing unit mixes the color temperatures by correcting a difference due to the exposure conditions.

27 (ORIGINAL): controller according to claim 25, wherein when a sensitivity level of the image sensor upon sensing the first image is different from that of the image sensor upon sensing the second image, said mixing unit mixes the color temperatures by correcting a sensitivity difference.

28 (ORIGINAL): The controller according to claim 25, wherein when a spectral sensitivity level upon sensing the first image is different from that of the image sensor upon sensing the second image, said mixing unit mixes the color temperatures by correcting a spectral sensitivity difference.

29 (ORIGINAL): An image sensing apparatus including a controller of claim 15.

30 (CURRENTLY AMENDED): A ~~storage~~ computer readable medium for storing a program which has a program code for implementing a control method of claim 1, and can be executed by an information processing apparatus.

31 (CURRENTLY AMENDED): A ~~storage~~ computer readable medium for storing a program, which can be executed by an information processing apparatus, that makes the information processing apparatus, which executes the program, function as a controller of claim 15.